



EVO 3C

Productdescription

Highly efficient LED plant lighting system for professional greenhouse applications.

This innovative lighting system combines state-of-the-art LED technology with a slim, modular design that offers maximum power density for a wide range of applications. The specially developed secondary optics ensure extremely homogeneous light distribution, even at different distances from the plant.

With outstanding energy efficiency, passive cooling, protection class IP66 and an impressively long service life, this LED light is the ideal choice for consistently high and reliable yields.

Produktbeschreibung

Hocheffiziente LED-Pflanzenbelichtungssystem für professionelle Gewächshausanwendungen.

Dieses innovative Beleuchtungssystem kombiniert modernste LED-Technologie mit einer schlanken, modularen Bauweise, die maximale Leistungsdichte für eine Vielzahl von Einsatzmöglichkeiten bietet. Die speziell entwickelte Sekundäroptik gewährleistet eine äußerst homogene Lichtverteilung, selbst bei unterschiedlichen Abständen zur Pflanze.

Mit herausragender Energieeffizienz, passiver Kühlung, Schutzklasse IP65 und einer beeindruckend langen Lebensdauer ist diese LED-Leuchte die ideale Wahl für konstant hohe und zuverlässige Erträge.

Family Datasheet

SANlight EVO COMPACT

Electrical Properties: (elektrische Eigenschaften)	EVO 2C	EVO 3C	EVO 4C	EVO 5C	EVO 4CX	EVO 6CXB	EVO 6CXT
Typ. Power Consumption [W] (Typ. Leistungsaufnahme)	320	470	630	790	630	935	
Power Factor (Leistungsfaktor)	> 0,95						
Input Voltage Range [VAC] (Eingangsspannungsbereich)	120 - 240/277 50/60Hz		200 - 480 50/60Hz			180-240 50/60Hz	277-480 50/60Hz
Typ. Inrush Current @ 120VAC [A] (typ. Einschaltstrom)	16,6	18	-				
Typ. Inrush Current @ 220VAC [A] (typ. Einschaltstrom)	31,2	30,8	5,4				
Typ. Inrush Current @ 277VAC [A] (typ. Einschaltstrom)	39,8	42,2	-			-	7,1
Typ. Inrush Current @ 400VAC [A] (typ. Einschaltstrom)	-		13,3				
Typ. Inrush Current @ 480VAC [A] (typ. Einschaltstrom)	-		15,3				
Further Properties: (weitere Eigenschaften)	EVO 2C	EVO 3C	EVO 4C	EVO 5C	EVO 4CX	EVO 6CXB	EVO 6CXT
Weight Luminaire [kg] (Gewicht Leuchte)	3	4,4	5,8	7,2	6	8,8	
Weight Driver [kg] (Gewicht Treiber)	1,9	1,9	2,3	2,3	3,1	3,1	
Overall Length [mm] (Gesamtlänge)	600	885	1170	1455	600	885	
Protection Rating (Schutzart)	IP65						
Ambient Operation Temp. [C°] (zul. Umgebungstemperatur)	5 - 35						
Max. Relative Humidity [%] (max. relative Luftfeuchtigkeit)	95						
Emission Wavelength [nm] (Emissionswellenlänge 3,1)	400 - 750						
PPF* [μmol/s] (Photonenflussdichte)	860	1290	1720	2150	1720	2580	
Module Efficiency [μmol/J] (Moduleffizienz)	> 3						
Angle of Radiation [°] (Abstrahlwinkel)	128						
LM90 [h] (90% Lichtoutput erreicht nach)	> 90.000						

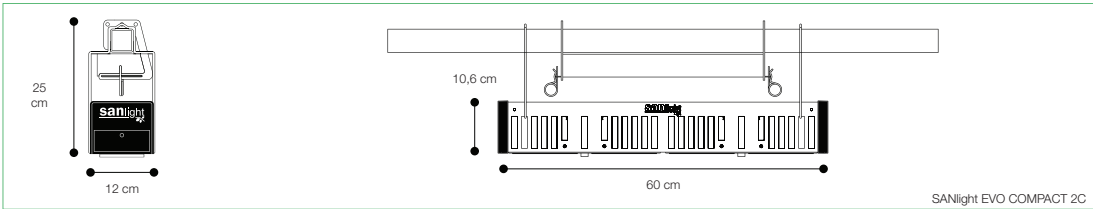
*in the emission wavelength range (im Emissionswellenlängenbereich)

Family Datasheet

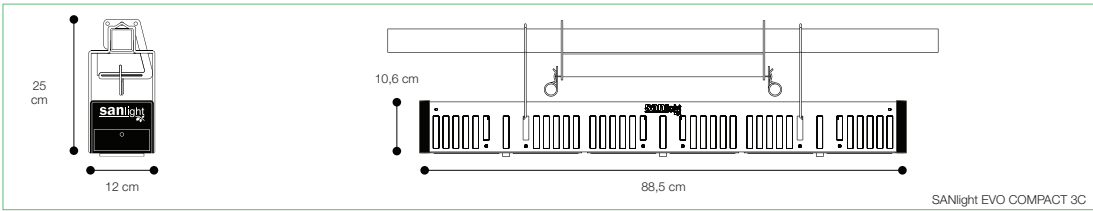
SANlight EVO COMPACT

Dimensions: (Bemaßung)

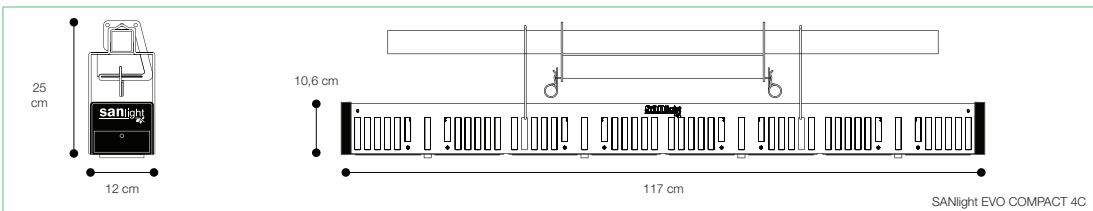
EVO 2C
(Item-No.: AA4011)
320W



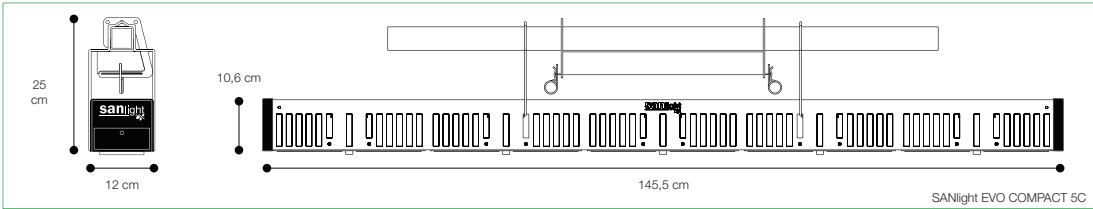
EVO 3C
(Item-No.: AA4021)
470W



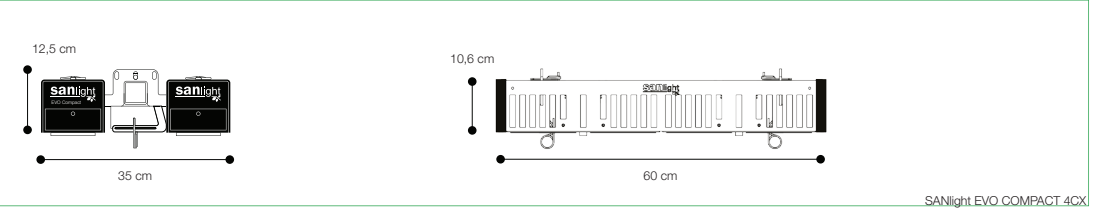
EVO 4C
(Item-No.: AA4030)
630W



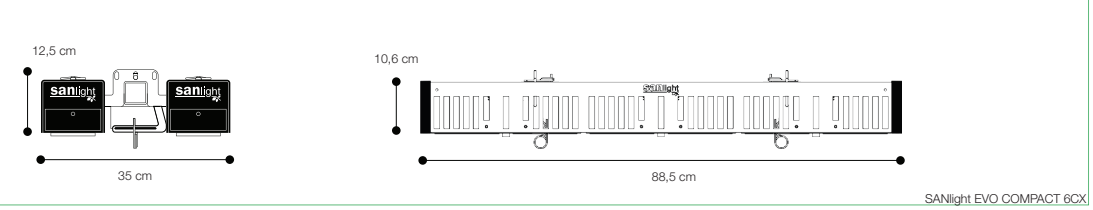
EVO 5C
(Item-No.: AA4040)
790W



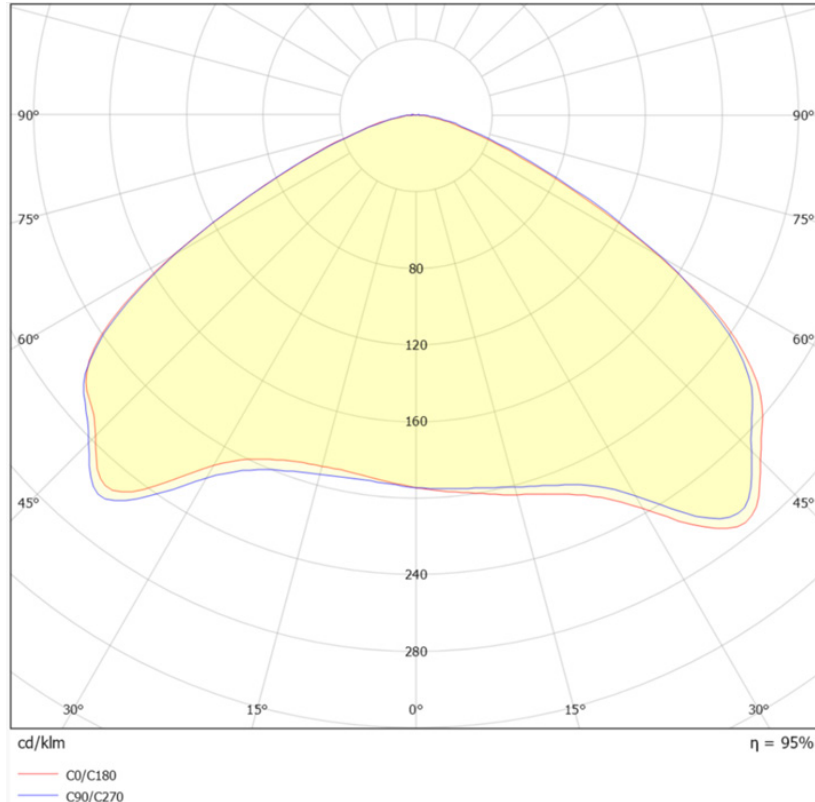
EVO 4CX
(Item-No.: AA4011)
630W



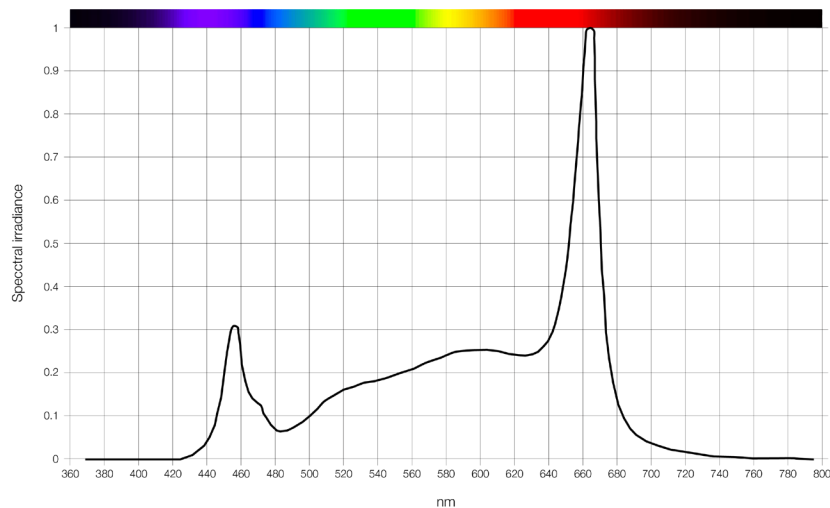
EVO 6CXB / 6CXT
(Item-No.: AA4021)
935W



Radiation Pattern:
 (Abstrahlcharakteristik)



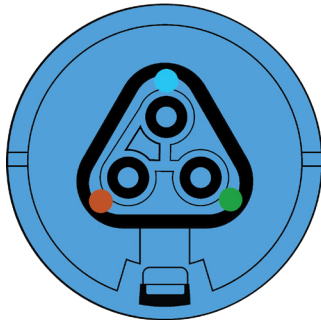
Light Spectrum:
 (Lichtspektrum)



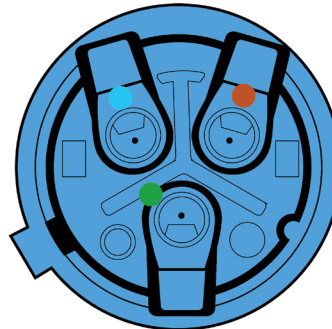
Composition of the Light Spectrum:
 (Zusammensetzung des Lichtspektrum)

	Blue (400 - 499)	Green (500 - 599)	Red (600 - 699)	Far Red (700 - 799)
Relative [%]	14%	33%	51%	2%

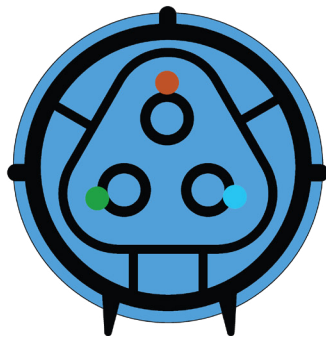
Plug Pin Assignment::
(Stecker Kabelbelegung)



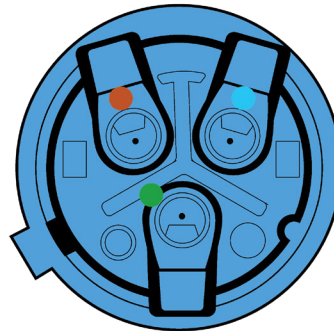
(1) DIM +



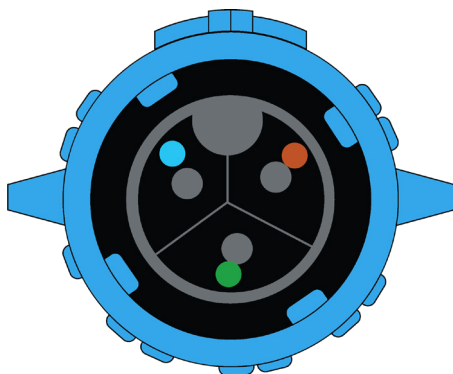
(3) 12V
300mA AUX



(2) DIM -



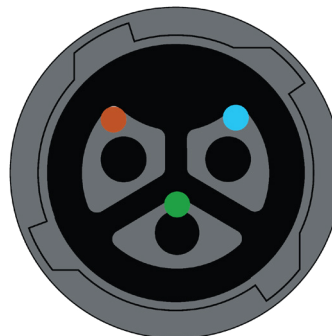
Dimmer Plug
(Dimmerstecker)



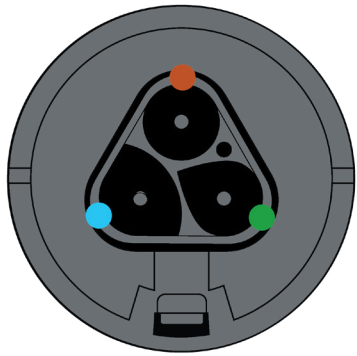
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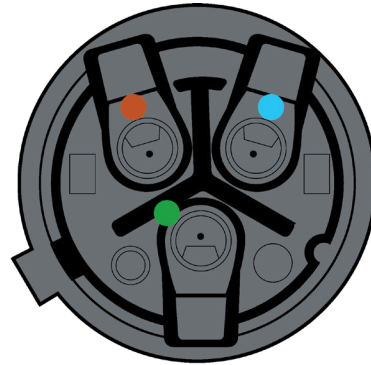
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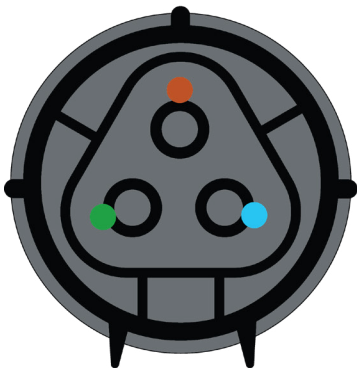
DC Power Plug
(DC Stromanschluss)



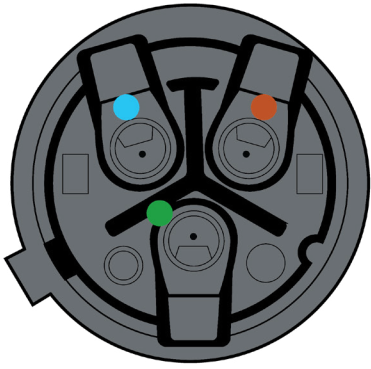
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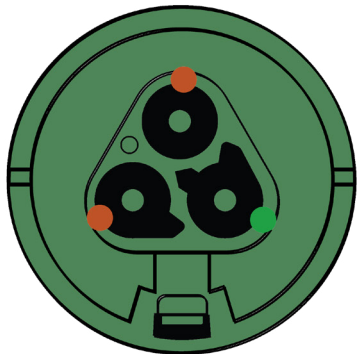
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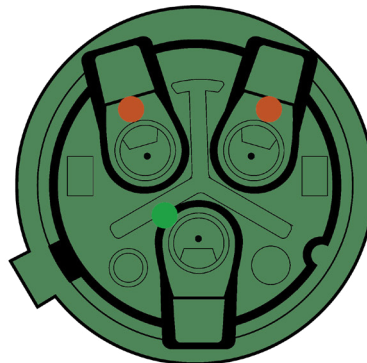
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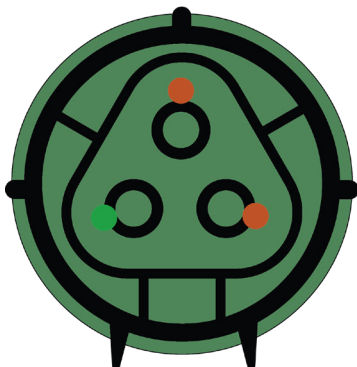
AC Power Plug
 AC Stromanschluss
 EVO 2C, EVO 3C, 6CXB



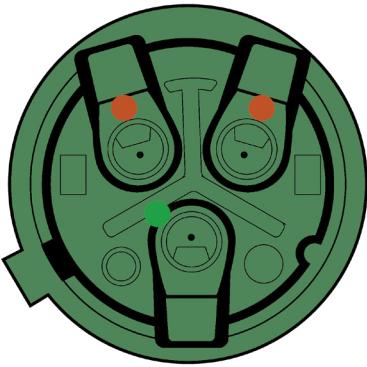
L1



L2



Pe



AC Power Plug 400V
 AC Stromanschluss 400V
 EVO 4C, EVO 5C, EVO 4CX, EVO 6CXT